

0988259 070304

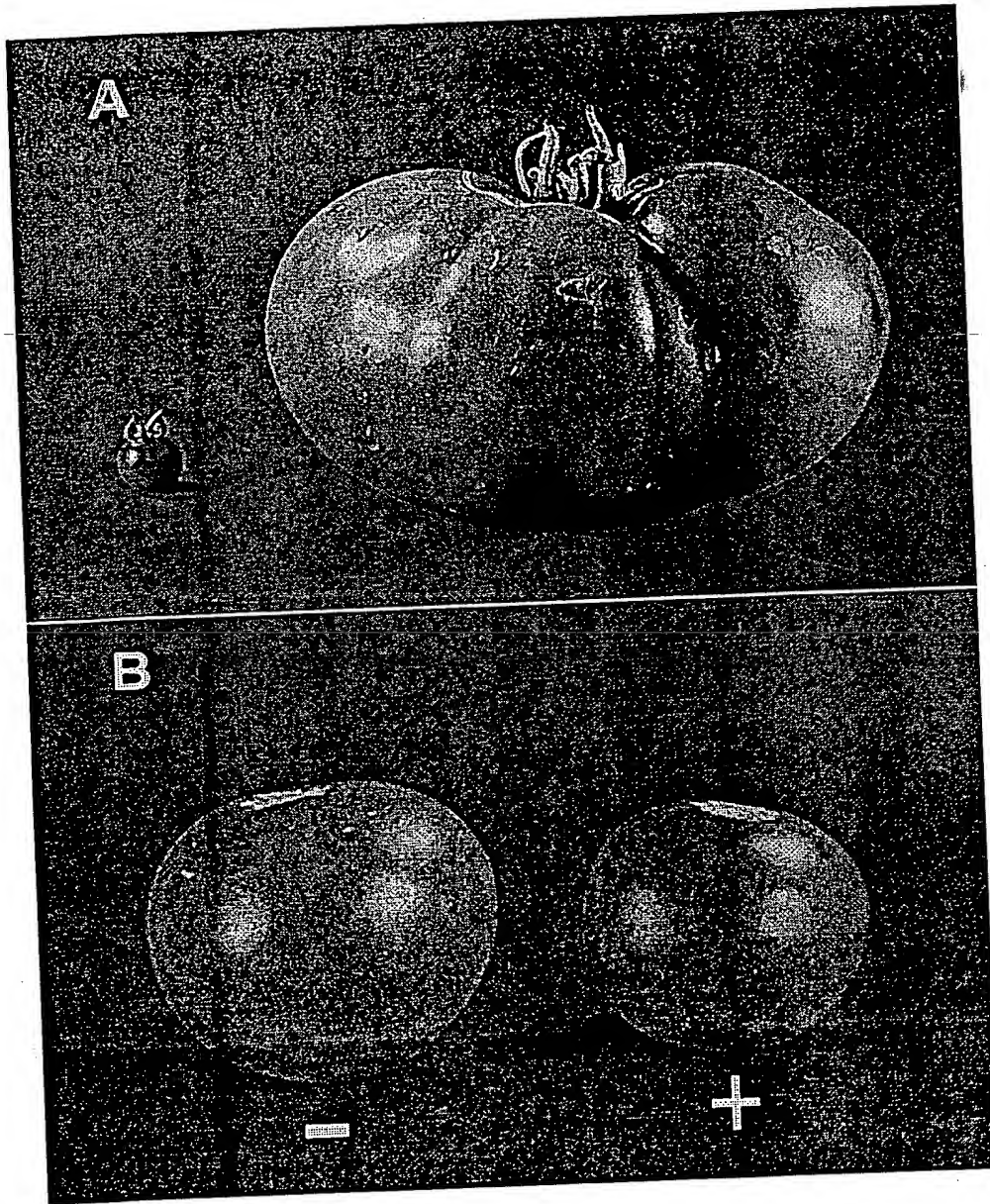


FIGURE 1

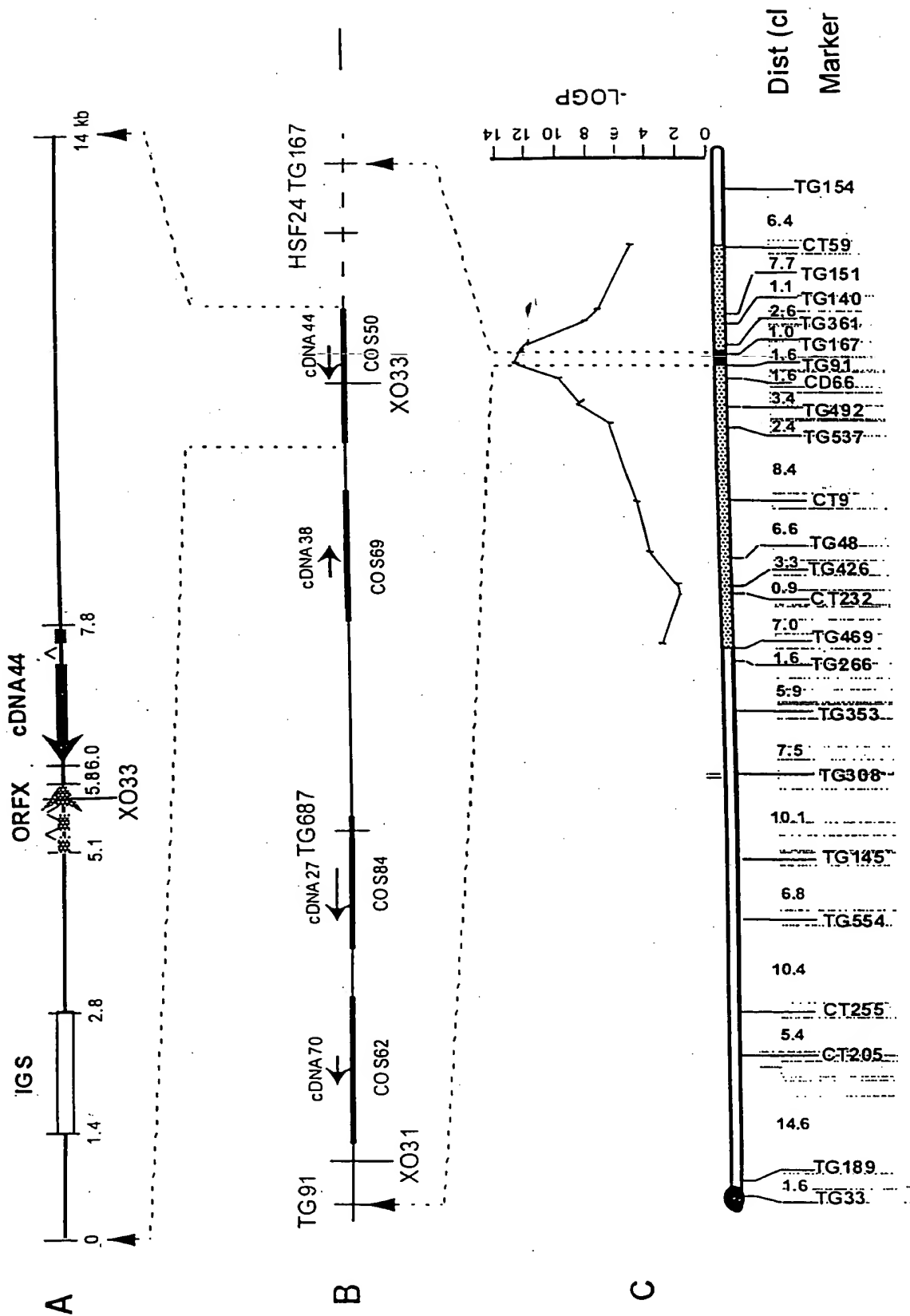


FIGURE 2

FOE020" 65986860

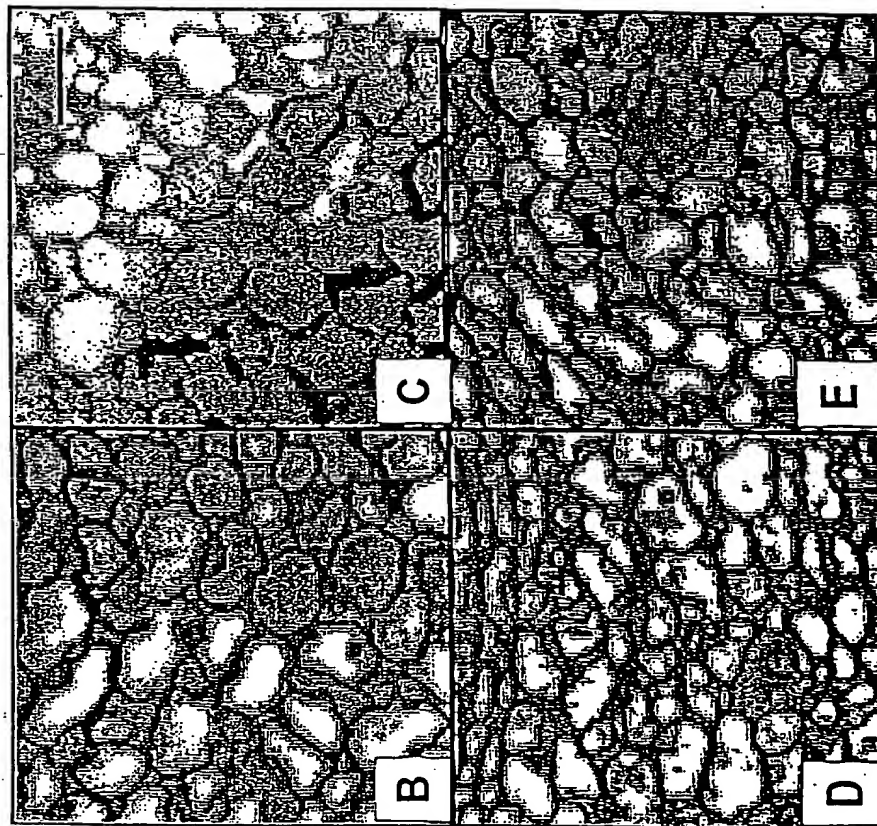
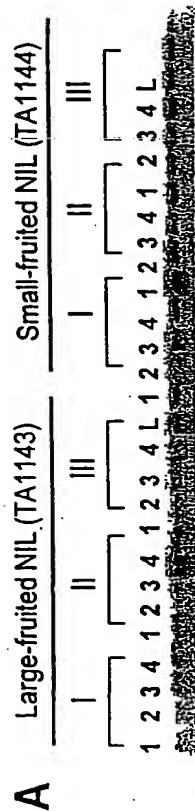


FIGURE 3

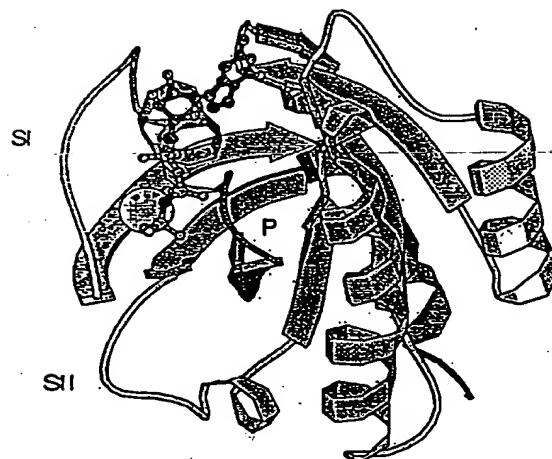


SEQ. ID. Nos.  
(Continued)

4	LeORFX	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
2	LpOREX	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
14	Le2	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
15	Le3	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
16	Le4	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
17	Le5	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
18	Ph1	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
19	At1	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
20	At2a	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
21	At2b	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
22	At3a	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
23	At3b	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
24	At3c	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
25	At4a	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
26	At4b	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
27	At5	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
28	Gm1	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
29	Gm2	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
30	Os1	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
31	Os2	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
32	Os3	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
33	Os4	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
34	Os5	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
35	Os6	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
36	Os7	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
37	Zm1	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
38	Zm2	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2
39	Pt1	89	---LYSCFYRSKRGQYDL	BEAPC	YOCIAVH	FCCEPCALCOEYRELA	NRGFDNGIG	---COANDRQSRGVT	---P	PPYHAGMTTP	163	98.2	98.2

FIGURE 4B

A



B

MYOTVGYNPGPMKQPYVPPHYVSAPGTTARWSTGLCHCFDOPANCLVTSVCPC I  
 ..... 1. P-loop.. 2. .... 3.. SI.... 4. .... 5. ....  
 TFGQIS-EILNKGTTSCGSRGALYCLLGLTGLPSLYSCF-YRSKMRGOYDLEEAPCYD  
 .. SII..... 7..... 8..... 9..... 10..... 11...  
 CLVHVFCPCAL-CQEYR-EL--KNRGFDHGIQWQANMDRQSRGYTHPPYH-AGMT-R  
 ..... 2 ..... 3..... 4..... 5..... 6 ..... 7.

ORFX  
6q21

ORFX  
6q21

ORFX  
6q21

FIGURE 5